

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
WATER RESOURCES BRANCH

Lake Carmel ~~7 1/2'~~ Quad

7 1/2'

RECORD OF WELL

P 568
(568)

Carmel 15' from
15Y-2.3S-0.7E

- Location: State New York County Putnam
Nearest P. O. Carmel Direction from P. O. NW
Distance from P. O. 4 miles; 1/4 sec. T., R.
If in city, give street and number formerly Stuart H. Patterson - 140 Aaway, N.Y. City
Homer Orvis Address Kent Cliffs, AFD, Carmel, N.Y.
Driller: P.F. Beal and Sons, Inc. Address 4 Putnam Ave., Brewster, N.Y.
3. Situation: Is well on upland, in valley, or on hillside? small knoll - valley
4. Elevation of top of well: 826 ft. above the level of sea (Sea, depot, lake, or stream)
5. Type of well: drilled (Dug, driven, bored, or drilled); kind of drilling rig used core drill (Solid tool, jetting, rotary, etc.)
6. Depth of well: 62 ft.; year in which well was finished 1936
Does well enter rock? yes; if so, at what depth? 6 ft.; kind of rock granite gneiss
7. Diameter: At top 6 inches; at bottom 6 inches.
8. Principal water bed: granite - gneiss (Gravel, sand, clay, or rock. If rock, state kind)
Depth to principal water bed ft.; thickness of bed ft.
If other water supplies were found, give depth to each
9. Casings: Kind steel; size 6"; length ? ft.; between depths of 0 and ft.
Kind ; size ; length ft.; between depths of and ft.
Kind ; size ; length ft.; between depths of and ft.
Packers (if any): Depth at which packers were used None; kind
Screen or Strainer: Was well finished with screen? No; kind of screen
length of screen ft.; diameter inches; size of openings
10. Head: Does well at present overflow without pumping? No; did it overflow when new? No
if flowing, give pressure lb. per sq. inch; or height water will rise in a pipe ft. above surface;
original pressure or head ; if not flowing, give water level in well ft. below surface.
11. Pump: Is the well pumped? yes; kind of pump DW? Deming
size or capacity of pump ; kind of power electric
12. Yield: Natural flow at present (if any) gallons per minute; original flow gallons per minute;
well has been pumped at gallons per minute continuously for hours;
quantity of water ordinarily obtained from well gallons per day.
13. Use: For what purpose is the water used? Formerly one family - not used now except rarely on weekends
14. Quality of the water: see over (analysis); is there an analysis? yes - see over
15. Cost of well, not including pump: Temperature of water ° F.

Name of person filling blank I.G. Grossman from driller's records & L. Ryder
Date 7-20-50 Address U. S. Geol. Survey, Albany & Mrs. Ryder

LOG OF WELL

KIND OF ROCK OR OTHER MATERIAL (Give color and tell whether hard or soft)	DEPTH, IN FEET		THICKNESS, IN FEET	REMARKS (Especially information as to water found)
	From—	To—		
				$\begin{array}{r} 96 \\ 2463 \\ \hline 576 \\ 864 \\ \hline 9216 \end{array}$ $\begin{array}{r} 24 \\ \times 12 \\ \hline 48 \\ 96 \\ \hline 288 \\ 432 \\ \hline 1608 \end{array}$
Rock outcrops only 20 feet from well.				
Analyses:	AT A. Super B.	WELL	Stewart B.	12-18-41
S. Patterson	1-27-42	at hicken tab 1-27-42	Super C. drill well white at softener at pump	see letter 12-18-41
Total hardness	140	0.404	18	100
alk A	172	174	250	110
CO ₂	4	0	10	42
Cl	3	3	33	8
SO ₃ <small>corrected to SO₄ rather than as CaCO₃</small>	<4	3	9.6	2.84
Fe	1.2	0.1	0.1	1.4
Turbidity	15	3	5	2
Color	about 80	15	about 45	<4
PH	7.9	8.6	7.6	5.0
Total converted hardness.	8 1/2	8 1/2	1 1/2	2.3
				20
				turb.
				turb.
				7.6
				6
				6 1/2
				Tags for C & D were originally marked they straightened out